

Dalchem - Flexiclear 45

Product Characteristics: Flexiclear 45 is a low viscosity, two component water clear polyurethane elastomer.

Benefits: Flexiclear 45 offers optical clarity, high tear strength, is easily pigmented to bold colours

Applications: Flexiclear 45 is recommended for applications where a desired thermoplastic feel is required. It is commonly used to make models of all kinds, artwork, and can also be used for electronic component encapsulation.

Colour:	Clear
Specific Gravity:	1.03 gm/cc
Hardness:	45 Shore A
Pot Life:	15min
Demould Time:	6 hrs @ 60°C
Application:	Optimum @ 25°C
Mix Ratio:	100:190 by wgt
Shelf life:	6 month from Date of Manufacture
Tensile strength	2 mpa
Elongation	215 %
Tear Strength	12.5 kN/m





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Mould Preparation: Carefully clean the mould, and then apply a suitable release agent onto the surface. Ensure that the surface is dry before coupling the mould parts. Heat the mould in an oven to 25°C; this may take several hours if the mould is very large. Splitting the tool will speed up the warming process.

Prepare the mix: Ensure that Part A and Part B are not below 20°C before using. Ensure both components are stirred mechanically prior to mixing.

Weigh out Part A as required and degas at 1-5mm of vacuum until excessive foaming stops.

Add Part B to Part A and mix thoroughly. Avoid mixing in air. Mixed product can then be degassed at 1-5mmHg vacuum if required.

Pour the mixed liquid into the moulds.

Allow the material to fully cure before demoulding.

Post Curing: Flexiclear 45 will offer a better surface finish and clarity of part when post cured at 40°C -60°C for 6-8 hours

Handling Precautions: Avoid breathing in vapors, avoid skin and eye contact. Always use in a well-ventilated area.

For more details please refer to the **MATERIAL SAFETY DATA SHEET**